



STIC Search Report

Biotech-Chem Library

File Copy
09/870,937
updated

STIC Database Tracking Number: 150479

TO: David Lamberston
Location: REM-2B79/2C70
Art Unit: 1636
Tuesday, April 12, 2005

Case Serial Number: 09/870937

From: Paul Schulwitz
Location: Biotech-Chem Library
REM-1A65
Phone: 571-272-2527

paul.schulwitz@uspto.gov

Search Notes

GenCore version 5.1.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 12, 2005, 09:01:05 ; Search time 0.001 Seconds.
(without alignments)
2.850 Million cell updates/sec

Title: us-09-870-937-1

Perfect score: 25

Sequence: 1 gaggtccctgtgagcatagccctgg 25

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 0.5

Searched: 3 seqs, 57 residues

Total number of hits satisfying chosen parameters: 6

Minimum DB seq length: 15

Maximum DB seq length: 25

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : rngdb.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|------------|--------------------|
| 1 | 25 | 100.0 | 25 | 1 AAI72242 | Antisense oligonuc |
| 2 | 12.8 | 51.2 | 17 | 1 AAF02299 | Hammerhead ribozym |
| 3 | 11.4 | 45.6 | 15 | 1 ABK4589 | EDG4 gene, allele |
| 4 | 6 | 24.0 | 25 | 1 AAI72242 | Antisense oligonuc |
| 5 | 5.8 | 23.2 | 15 | 1 ABK4589 | EDG4 gene, allele |
| 6 | 4.4 | 17.6 | 17 | 1 AAF02299 | Hammerhead ribozym |

ALIGNMENTS

RESULT 1
AAI72242
ID AAI72242 standard; DNA; 25 BP.
XX
AC AAI72242;
XX
DT 02-APR-2002 (first entry)
XX
XX Antisense oligonucleotide KIA175-545.
XX
KW Antisense; KIAA0175; inhibitor; tumour; P21; P53; chemosensitivity;
KW radiosensitivity; gamma-irradiation; hydroxy urea; cell cycle arrest;
KW sensitization; neoplastic disease; chemotherapy; radiotherapy; cancer;
KW ss.
XX
OS Synthetic.
XX
XX WO200191739-A2.
XX
PD 06-DEC-2001.
XX
XX 30-MAY-2001; 2001WO-US017644.

XX 31-MAY-2000; 2000US-0208435P.
XX (CHIR) CHIRON CORP.
XX
XX Wu B, Seeley TW, Williams LT;
XX WPI; 2002-122034/16.
XX
XX New isolated specific inhibitor useful for decreasing the expression of
XX the inhibitor in a mammalian cell.
XX
XX Claim 5; Page 39; 60pp; English.
XX
XX The sequences given in AAI72242-49 are antisense oligonucleotides which
XX were tested to observe their effect on the kinetics of KIAA0175
XX transcript. Inhibitors of KIAA0175 may be used for decreasing the
XX expression of KIAA0175 in mammalian cell (preferably tumour cell). They
XX may also be used for decreasing the expression of P21 and P53 in a
XX mammalian cell, for increasing the chemosensitivity and/or
XX radiosensitivity of a mammalian cell by measuring a reduction in gamma-
XX irradiation or hydroxy urea induced P53 or P21 protein levels measuring a
XX reduction in gamma-irradiation or hydroxy urea induced cell cycle arrest
XX and measuring an increase in gamma-irradiation or hydroxy urea induced
XX cell sensitization, and for treating neoplastic disease in a mammal. The
XX inhibitor provides beneficial improvement of chemo and/or radiotherapy
XX despite low transfection efficiency (10 - 70%) and/or transient gene
XX expression. The inhibitor decreases the side effects of the cancer
XX therapy
XX
XX Sequence 25 BP; 4 A; 7 C; 9 G; 5 T; 0 U; 0 Other;
SQ
Query Match 100.0%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAGTCCCTGTGAGCATAGCCCTGG 25
DB 1 GAGTCCCTGTGAGCATAGCCCTGG 25
RESULT 2
AAF02299/C
ID AAF02299 standard; DNA; 17 BP.
XX
AC AAF02299;
XX
XX 16-FEB-2001 (first entry)
XX
XX Hammerhead ribozyme substrate #594.
XX
XX Ribozyme; erythropoietin; granulocyte colony stimulating factor;
XX interferon alpha; ss.
XX
XX Homo sapiens.
XX
XX WO200061729-A2.
XX
XX 19-OCT-2000.
XX
XX 11-APR-2000; 2000WO-US009721.
XX
XX 12-APR-1999; 99US-0129390P.
XX
XX (RIBO-) RIBOZYME PHARM INC.
XX
XX Blatt L, Zwick M, Pavco P, Mcswiggen J;
XX
XX WPI; 2000-647423/62.
XX
XX Enzymatic and antisense nucleic acid inhibition of repressor genes,
XX useful for producing e.g. granulocyte colony stimulating factor protein,
XX interferon alpha and erythropoietin.

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model
Run on: April 12, 2005, 09:01:32 ; Search time 0.001 Seconds
(without alignments)
3.250 Million cell updates/sec

Title: us-09-870-937-1
Perfect score: 25
Sequence: 1 gagtcctgtgagcatagccctgg 25

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 3 seqs, 65 residues

Total number of hits satisfying chosen parameters: 6

Minimum DB seq length: 15
Maximum DB seq length: 25

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : rnpbdb.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|--------------------|-------------------|
| 1 | 25 | 100.0 | 25 | 1 US-09-870-937-1 | Sequence 1, Appli |
| 2 | 16 | 64.0 | 20 | 1 US-10-776-013-60 | Sequence 60, Appl |
| 3 | 16 | 64.0 | 20 | 1 US-10-776-013-61 | Sequence 61, Appl |
| C 4 | 6 | 24.0 | 25 | 1 US-09-870-937-1 | Sequence 1, Appli |
| C 5 | 4.8 | 19.2 | 20 | 1 US-10-776-013-60 | Sequence 60, Appl |
| C 6 | 4.6 | 18.4 | 20 | 1 US-10-776-013-61 | Sequence 61, Appl |

ALIGNMENTS

RESULT 1
US-09-870-937-1
; Sequence 1, Application US/09870937
; Patent No. US20020049180A1
; GENERAL INFORMATION:
; APPLICANT: Wu, Bin
; APPLICANT: Seeley, Todd
; APPLICANT: Williams, Lewis T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEOPLASTIC DISEASE USING
; FILE REFERENCE: 200130.514/PP-01623.002
; CURRENT FILING DATE: 2001-05-30
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-870-937-1

Query Match 100.0%; Score 25; DB 1; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAGTCCCTGTGAGCATAGCCCTGG 25
Db 1 GAGTCCCTGTGAGCATAGCCCTGG 25

RESULT 2

US-10-776-013-60
; Sequence 60, Application US/10776013
; Publication No. US20040226056A1
; GENERAL INFORMATION:
; APPLICANT: MYRIAD GENETICS, INC.
; APPLICANT: Roch, Jean-Marc
; APPLICANT: Bartel, Paul
; APPLICANT: Heichman, Karen
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND
; FILE REFERENCE: 1600.24
; CURRENT FILING DATE: 2004-02-09
; PRIOR APPLICATION NUMBER: US/10/776.013
; PRIOR FILING DATE: 2001-09-10
; PRIOR APPLICATION NUMBER: 09/948904
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 09/466139
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113534
; PRIOR FILING DATE: 1999-03-12
; PRIOR APPLICATION NUMBER: 60/124120
; PRIOR FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: 09/975072
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240790
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 10/194967
; PRIOR FILING DATE: 2002-07-15
; PRIOR APPLICATION NUMBER: 60/304775
; NUMBER OF SEQ ID NOS: 695
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 60
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-776-013-60

Query Match 64.0%; Score 16; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 TGTGAGCATAGCCCTG 24
Db 3 TGTGAGCATAGCCCTG 18

RESULT 3

US-10-776-013-61
; Sequence 61, Application US/10776013
; Publication No. US20040226056A1
; GENERAL INFORMATION:
; APPLICANT: MYRIAD GENETICS, INC.
; APPLICANT: Roch, Jean-Marc
; APPLICANT: Bartel, Paul
; APPLICANT: Heichman, Karen
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING NEUROLOGICAL DISORDERS AND
; FILE REFERENCE: 1600.24
; CURRENT FILING DATE: 2004-02-09
; CURRENT APPLICATION NUMBER: US/10/776.013
; CURRENT FILING DATE: 2004-02-09